

onal application No. PCT/JP03/08574

	A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H05B33/04				
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols)					
Int.	.Cl ⁷ H05B33/04	•			
Documenta	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
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C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap	ppropriate, of the relevant passages	Relevant to claim No.		
Y	JP 5-290976 A (Denki Kagaku K		1-6,8-16		
	05 November, 1993 (05.11.93) Claims; page 2, right column				
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	(Family: none)		·		
Y	JP 2000-268954 A (Matsushita	Electric Industrial	1-6,8-16		
	Co., Ltd.),				
	29 September, 2000 (29.09.00) Claim 1; page 5, left column				
	(Family: none)				
Y	JP 10-275682 A (NEC Corp.),		1-9,11-16		
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	Claims; page 3, right column, Fig. 2	, lines 17 to 4/;			
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The Provide					
Further documents are listed in the continuation of Box C. See patent family annex.					
* Special categories of cited documents: "T" later document published after the international filing date of document defining the general state of the art which is not priority date and not in conflict with the application but cited			e application but cited to		
"E" earlier	considered to be of particular relevance understand the principle or theory underlying the invention earlier document but published on or after the international filing "X" document of particular relevance; the claimed invention cannot				
	date considered novel or cannot be considered to involve an invention document which may throw doubts on priority claim(s) or which is step when the document is taken alone				
special	establish the publication date of another citation or other reason (as specified)	"Y" document of particular relevance; the considered to involve an inventive step	when the document is		
means	cument referring to an oral disclosure, use, exhibition or other combined with one or more other such documents, such				
	Date of the actual completion of the international search Date of mailing of the international search report				
2 <i>9</i> 0	uly, 2003 (29.07.03)	19 August, 2003 (19	.08.03)		
Name and m	ailing address of the ISA/	Authorized officer			
Japanese Patent Office					
Facsimile No.		Telephone No.			

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Category* Y	JP 7-169567 A (Idemitsu Kosan Co., Ltd.), 04 July, 1995 (04.07.95), Page 11, left column, lines 7 to 19; page 12, left column, line 32 to right column, line 31 (Family: none)	1-9,11-16
Y	JP 2002-43055 A (Tohoku Pioneer Corp., Dynic Corp.), 08 February, 2002 (08.02.02), Full text & US 2002/50785 A & KR 2001105201 A	1-16
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